



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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MICHIGAN, East

MIZ047>049-053>055-060>063-068>070-075>076-082>083 Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe

01 0000EST 0 0 Drought
31 0000EST

An upper level high pressure ridge dominated the weather pattern across southeast Michigan beginning late June and continuing through the month of July. This ridge prevented the development of widespread thunderstorms, and prevented rainfall from moving into the region from the west. While there was occasional isolated thunderstorms, much of the region suffered a pronounced dry spell. The lack of rainfall put a hardship on the area's water supply and measures were taken to curb usage. This included prohibiting outdoor watering in many communities in Macomb, Washtenaw, Genesee, Oakland, and Wayne counties.

During the five week period ending July 28th, Detroit Metro Airport officially reported only 0.32 inches of rainfall. This became Detroit's 11th driest month on record. With 1.59 inches, this was Flint's 10th driest month on record. In contrast to July, April through early June saw slightly above normal precipitation. This wet spring delayed planting of crops and resulted in shallower than normal rooting systems for crops already established. By mid summer, however, the upper air pattern changed and rainfall waned. In terms of timing, the drought impacted many summer crops during moisture-sensitive growth stages of greatest water need, leading to moisture stress which peaked by mid August. It was estimated that yields of corn, dry beans and soybeans were 1/3 from normal. Rains returned to the region in mid and late August. Too late, however, to reverse the negative effects from mid summer. At the date of this publishing, an estimate dollar amount of damage to area crops is unknown. An estimated figure should be available shortly after harvest, at which time a correction will be sent.

Bay County

Bay City 01 1230EST 0 0 Dust Devel
1235EST

Path Length was 1/4 mile. It tossed lawn chairs and downed tents.

Lapeer County

5 NE Otter Lake 04 1255EST 0 0 Hail(0.75)

Livingston County

6 N Hartland 04 1300EST 0 0 Hail(0.75)

Lapeer County

4 SE North Branch 04 1315EST 0 0 Hail(0.75)

St. Clair County

Capac 04 1337EST 0 0 Hail(1.00)

Oakland County

Troy 04 1415EST 0 0 Hail(0.75)

Macomb County

Warren 04 1420EST 0 0 Hail(0.75)

Oakland County

Southfield 04 1420EST 0 0 Hail(1.00)

Wayne County

Detroit 04 1430EST 0 0 Thunderstorm Wind (G50)
Power lines blown down.

Wayne County

Grosse Pt Farms 04 1448EST 0 0 Thunderstorm Wind (G50)
Power lines and tree blown down.



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					Killed	Injured	Property Crops	

MICHIGAN, East

Wayne County

Detroit	04	1450EST			0	0		Thunderstorm Wind (G50)
Large tree limbs blown down.								

Wayne County

Grosse Pt Park	04	1450EST			0	0		Thunderstorm Wind (G50)
Power lines blown down.								

A trough of low pressure moved across southeast Michigan during the afternoon of the 4th. This trough encountered unstable air across the region and triggered scattered thunderstorms. Some of these thunderstorms produced large hail and high winds.

Midland County

3 SSE Edenville	22	1800EST			0	0	75K	Thunderstorm Wind (G65)
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Trees and power lines were blown. The old Gransden building on M-30 lost part of its roof. A tree fell on a truck in Hope Township. A barn roof was partially blown off causing flat tires to a few motorists. One tree fell on a home

Saginaw County

3 NW Saginaw	22	1943EST			0	0		Thunderstorm Wind (G50)
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Power Lines were blown down.

Thunderstorms developed during the evening hours along an area of convergence from lake breeze boundaries off of Lake Huron. One storm developed over Gladwin county and moved into Midland. The storm strengthened as it moved into Midland county and produced damaging winds. The storm then moved southeast into Saginaw county where it weakened. The more widespread wind damage from this storm occurred in Edenville and Hope Townships in northern Midland County. The approximate area of damage was bounded by N. Sanford lake Road on the west, 5 Mile Road on the east, Bakar Road on the north, and Shaffer Road on the south.

Shiawassee County

Carland	29	1755EST			0	0		Thunderstorm Wind (G60)
50 trees blown down.								

Shiawassee County

6 W Owosso	29	1800EST			0	0		Thunderstorm Wind (G60)
Poles and wires down at M21 adn Baldwin Rd.								

Shiawassee County

Owosso	29	1804EST			0	0		Thunderstorm Wind (G50)
Large limbs down.								

Shiawassee County

Bennington	29	1807EST			0	0		Hail(1.00)
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Shiawassee County

Perry	29	1807EST			0	0		Thunderstorm Wind (G50)
Several tress blown down.								

Livingston County

Cohoctah	29	1824EST			0	0		Thunderstorm Wind (G50)
Uprooted tree blocking cohoctah road.								

Livingston County

6 N Fowlerville	29	1830EST			0	0		Thunderstorm Wind (G60)
Trees blown down at Fowlerville and Mohrle Roads.								

Livingston County

5 SE Pinckney	29	1855EST			0	0		Thunderstorm Wind (G50)
Several Trees blown down.								



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					Killed	Iniured	Property	Crops	
<u>MICHIGAN, East</u>									
Livingston County									
Brighton	29	1900EST			0	0			Thunderstorm Wind (G50)
			Limbs and power lines blown down.						
Oakland County									
2 SW Milford	29	1900EST			0	0			Thunderstorm Wind (G60)
			Large trees blown down in Kensington Metro Park.						
Washtenaw County									
Chelsea	29	1905EST			0	0			Hail(0.88)
Livingston County									
Brighton	29	1910EST			0	0			Thunderstorm Wind (G50)
			Trees blown down.						
Washtenaw County									
Dexter	29	1910EST			0	0			Hail(0.75)
Washtenaw County									
5 E Saline	29	1911EST			0	0	65K		Lightning
			A storage shed and 900 gallons of diesel fuel caught fire when lightning struck the fuel tanks in Pittsfield Township.						
Washtenaw County									
Chelsea	29	1912EST			0	0			Hail(1.75)
Washtenaw County									
4 SE Manchester	29	1920EST			0	0	2K		Lightning
			Lightning struck a house. Only minor damage was reported.						
Washtenaw County									
1 NW Dexter	29	1923EST			0	0	5K		Thunderstorm Wind (G60)
			Tress blown down onto a vehicle.						
Washtenaw County									
6 N Manchester	29	1924EST			0	0			Hail(0.88)
Washtenaw County									
Ypsilanti	29	1946EST			0	0	10K		Hail(0.75)
			Several vehicles damaged by hail at state police post.						
Lenawee County									
Tecumseh	29	2004EST			0	0			Hail(1.00)
Lenawee County									
4 S Tecumseh	29	2005EST			0	0			Hail(0.75)
Monroe County									
Lambertville	29	2029EST			0	0			Thunderstorm Wind (G50)
			Tree blown down onto power lines.						

An upper level disturbance and weak surface low moved south across central Lower Michigan during the evening of the 29th. This low pressure system, combined with very unstable air across southern Michigan, triggered numerous thunderstorms. These storms were strongest across the western sections of southeast Michigan, where several reports of damaging winds and large hail were received. The storms also caused many power outages. 5000 power outages were estimated in Oakland county and 3000 in Livingston. Monroe county also reported many power outages.